

Information Disclosure Statement By Applicant

(Use Several Sheets if Necessary)

Atty Docket No.

SIPXP054C1

Application No.:

10/666,912 HAUBRICH, et al

Inventor Group

Filing Date

Unassigned

September 19, 2003

U.S. Patent Documents

| Examiner | | | | | | Sub- | Filing |
|----------|-----|------------|----------|--------------------------|-------|-------|----------|
| Initial | No. | Patent No. | Date | Patentee | Class | class | Date |
| SPC | Α | 3,612,758 | 10/12/71 | Evans, et al | 178 | 5.4R | 10/3/69 |
| | В | 3,668,106 | 6/6/72 | Ota | 204 | 299 | 4/9/70 |
| | С | 3,697,679 | 10/10/72 | Hathaway | 178 | 6.6A | 7/1/70 |
| | D | 4,071,430 | 1/31/78 | Liebert | 204 | 299 | 12/6/76 |
| | Е | 4,093,534 | 6/6/78 | Carter, et al | 350 | 355 | 5/5/75 |
| | F | 4,285,801 | 8/25/81 | Chiang | 204 | 299 R | 8/20/79 |
| | G | 4,655,897 | 4/7/87 | DiSanto et al | 204 | 299 R | 11/13/84 |
| | Н | 4,663,192 | 5/5/87 | Hatakeyama | 427 | 108 | |
| | I | 4,680,103 | 7/14/87 | Beilin Solomon I., et al | 204 | 299 R | 1/24/86 |
| | J | 4,741,988 | 5/3/88 | Van der Zande, et al | 430 | 312 | 5/1/86 |
| | K | 4,995,718 | 2/26/91 | Jachimowicz et al | 353 | 31 | 11/15/89 |
| | L | 5,102,497 | 4/7/92 | Hamaguchi et al | 156 | 656 | |
| | M | 5,177,476 | 1/5/93 | DiSanto, et al | 345 | 107 | 8/19/91 |
| | N | 5,276,438 | 1/4/94 | DiSanto, et al | 345 | 107 | 11/20/91 |
| | 0 | 5,279,511 | 1/18/94 | DiSanto, et al | 445 | 24 | 10/21/92 |
| | P | 5,380,362 | 1/10/95 | Schubert | 106 | 493 | 7/16/93 |

Foreign Patent or Published Foreign Patent Application

| Examiner | | Document | Publication | Country or | | Sub- | Trans | slation |
|----------|-----|--------------|-------------|---------------|-------|-------|-------|---------|
| Initial | No. | No. | Date | Patent Office | Class | class | Yes | No |
| SPC | Q | WO 99/56171 | 11/4/99 | PCT | G02F | 1/167 | | |
| | R | WO 00/60410 | 10/12/00 | PCT | G02F | 1/167 | | |
| | S | WO 01/67170 | 9/13/01 | PCT | G02F | 1/167 | | |
| | T | WO 00/36465 | 6/22/00 | PCT | G02F | 1/167 | | |
| | U | 1 089 117 A2 | 4/4/01 | Europe | G02F | 1/167 | | |
| | V | 59-171930 | 9/28/84 | Japan | G02F | 1/19 | | |

Other Documents

| Exam | | No. | Author Title Date Place (e.g. Jayrnel) of Publication | | |
|------|--|------|--|--|--|
| | | INO. | Author, Title, Date, Place (e.g. Journal) of Publication | | |
| | | W | Cominsky, B. et al., "An Electrophoretic Ink for All-Printed Reflective Electronic Displays", Letters to Nature, pp. 253-255 (1998) | | |
| | | X | Dalisa, A. L., "Electrophoretic Display Technology", IEEE Transactions of Electron Devices, July 1997, pp. 827-834. | | |
| | | Y | Drzaic, Pl, "Liquid Crystal Dispersion", The PDLC Paradigm, (1995) p. 1-9 | | |
| • | | Z | Harvey, T. G. "Replication Techniques for Micro-Optics", SPIE, Vol 3099, p 76-82 (1997) | | |
| | | AA | Hopper, M.A. and Novotny, V., "An Electrophoretic Display, It's Properties, Model and Addressing" IEEE Transactions on Electron Devices, Vol. ED-26, No. 8, Aug. 1979, pp. 1148-1152 | | |

Examiner /Sing Chan/ Date Considered 12/11/2006
Examiner: Initial citation considered. Draw line through citation if not in conformance and not



Information Disclosure Statement By Applicant Atty Docket No. Application No.:

SIPXP054C1 10/666,912

Inventor Group HAUBRICH, et al

Unassigned

Filing Date

September 19, 2003

(Use Several Sheets if Necessary)

U.S. Patent Documents

| U.S. Fatent Documents | | | | | | | | | | |
|-----------------------|-----|-------------|----------|-------------------|-------|--------|----------|--|--|--|
| Examiner | | 1 | | | | Sub- | Filing | | | |
| Initial | No. | Patent No. | Date | Patentee | Class | class | Date | | | |
| SPC | A | 5,403,518 | 4/4/95 | Schubert | 252 | 572 | 12/2/93 | | | |
| | В | 5,573,711 | 11/12/96 | Hou, et al | 252 | 572 | 11/21/95 | | | |
| | С | 5,589,100 | 12/31/96 | Grasso | 252 | 299.01 | 3/20/96 | | | |
| | D | 5,699,097 | 12/16/97 | Takayama, et al | 347 | 171 | 4/20/95 | | | |
| | E | 5,835,174 | 11/10/98 | Clinkeman, et al | 349 | 86 | 9/19/96 | | | |
| | F | 5,914,806 | 6/22/99 | Gordon II, et al | 359 | 296 | 2/11/98 | | | |
| | G | 5,930,026 | 7/27/99 | Jacobson, et al | 359 | 296 | 10/25/96 | | | |
| | Н | 5,961,804 | 10/5/99 | Jacobson, et al | 204 | 606 | 3/18/97 | | | |
| | I | 5,976,405 | 11/2/99 | Clinkeman, et al | 252 | 299.01 | 12/23/97 | | | |
| | J | 6,017,584 | 1/25/00 | Albert, et al | 427 | 213.3 | 8/27/98 | | | |
| | K | 6,037,058 | 3/14/00 | Clinkeman, et al | 428 | 402.2 | 5/26/99 | | | |
| | L | 6,067,185 | 5/23/00 | Albert, et al | 359 | 296 | 8/27/98 | | | |
| | M | 6,111,598 | 8/29/00 | Faris | 348 | 57 | 11/12/93 | | | |
| | N | 6,113,810 | 9/5/00 | Hou, et al | 252 | 572 | 3/3/95 | | | |
| | 0 | 6,120,588 | 9/19/00 | Jacobson | 106 | 31.16 | 9/23/97 | | | |
| | P | 6,120,839 | 9/19/00 | Comiskey, et al | 427 | 213.3 | 8/27/98 | | | |
| | Q | 6,172,798 | 1/9/01 | Albert, et al | 359 | 296 | 5/15/00 | | | |
| | R | 6,184,856 | 2/6/01 | Gordon, II, et al | 345 | 107 | 9/16/98 | | | |
| | S | 6,232,950 | 5/15/01 | Albert et al | 345 | 107 | 8/27/98 | | | |
| | Т | 6,252,624 | 6/26/01 | Yuasa, et al | 348 | 56 | 3/12/98 | | | |
| | U | 6,312,304 | 11/6/01 | Duthaler, et al | 445 | 24 | 12/14/99 | | | |
| | V | 6,327,072 | 12/4/01 | Comiskey, et al | 359 | 296 | 4/6/00 | | | |
| | W | 6,337,761 | 1/8/02 | Rogers, et al | 359 | 296 | 10/1/99 | | | |
| | X | 6,392,786 | 5/21/02 | Albert | 359 | 296 | 6/29/00 | | | |
| | Y | 20020126249 | 9/12/02 | Liang, et al | 349 | 187 | 1/11/01 | | | |
| | Z | 20020182544 | 12/5/02 | Chan-Park, et al | 430 | 311 | 1/15/01 | | | |

Other Documents

| Examiner Initial | No. | Author, Title, Date, Place (e.g. Journal) of Publication | | | | | |
|---|-------------|---|--|--|--|--|--|
| SPC AA Harbour, J.R. et al, "Subdivided Electrophoretic Display", Xerox Disclosure Journal, Vol 4, 1 6 (1979) | | | | | | | |
| | BB | Inoue, et al, "Low Temperature Po Level Gray Scale", Int'l Electron I Dec 10-13, 2000, pages 197-200. | oly-Si TFT – Electrophoretic Displays (TFT-EPDs) with Four Devices Meeting 2000, Technical Digest San Francisco, CA | | | | |
| | CC | Lewis, J.C., et al., "Gravitational, Display" Proceeding of the S.I.D. | Inter-Particle and Particle-Electrode Forces in Electrophoretic, Vol 18/3&4 1977. | | | | |
| | DD | | | | | | |
| Examiner | /Sing Chan/ | | Date Considered 12/11/2006 | | | | |



Information Disclosure Statement By Applicant Atty Docket No. Application No.:

SIPXP054C1 10/666,912

Inventor

HAUBRICH, et al

Group Filing Date Unassigned September 19, 2003

(Use Several Sheets if Necessary)

U.S. Patent Documents

| Examiner | | | | | | Sub- | Filing |
|----------|-----|-----------------|-------------|--------------|-------|-------|--------|
| Initial | No. | Application No. | Filing Date | Patentee | Class | class | Date |
| SPC | Α | 09/518,488 | 3/3/00 | LIANG, et al | | | |
| SPC | В | 09/606,654 | 6/28/00 | LIANG, et al | | | |

Foreign Patent or Published Foreign Patent Application

| Examiner | | Document | Publication | Country or | | Sub- | Trans | lation |
|----------|-----|----------|-------------|---------------|-------|-------|-------|--------|
| Initial | No. | No. | Date | Patent Office | Class | class | Yes | No |
| | В | | | | | | | |

Other Documents

| No. | Author, Title, Date, Place (6 | e.g. Journal) of Publication | | | | | |
|--|-------------------------------|---|--|--|--|--|--|
| | Murau, P., et al., "The Unde | erstanding and Elimination of Some Suspension | | | | | |
| D | | lopment of Electrophoretic Display Using | | | | | |
| | | crocapsulated Suspension", SID Digest, (1998), pp. 1014-1017. | | | | | |
| E Ota, I., et al., "Electrophoretic Image Display EPID Panel", Proceedings | | | | | | | |
| ļ | | | | | | | |
| F | . • | ddressable Electrophoretic Display", Proceeding 1977) | | | | | |
| G | | uous Manufacturing of Thin Cover Sheet Optical 1992), pp. 323-335. | | | | | |
| | | | | | | | |
| /Sing Chan/ | | Date Considered 12/11/2006 | | | | | |
| | C D F | Instabilities in an Electrophe D Nakamura, E., et al., "Devel Microcapsulated Suspension E Ota, I., et al., "Electrophore the IEEE, Vol 1, No. 7, July F Singer, B. et al, "An X-Y A of the S.I.D., Vol 18/3&\$, (G Slafer, D.W., et al., "Contin Media", SPIE, Vol. 1663, (1) | | | | | |

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Form 1449 (Modified)

Information Disclosure Statement By Applicant Atty Docket No. SIPXP054C1 Application No.: 10/666,912

Inventor HAUBRICH, et al Group 1762

Group Filing Date

September 19, 2003

(Use Several Sheets if Necessary)

U.S. Patent Documents

| U.S. Fatent Documents | | | | | | | | | | |
|-----------------------|-----|------------|---------------|-----------------|-------|---------------|----------------|--|--|--|
| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub- class | Filing Date | | | |
| SPC | Α | 6,080,606 | June 27, 2000 | Gleskova, et al | 438 | 151 | Mar. 26, 1996 | | | |
| | В | | | | | | | | | |
| | С | | | | | | | | | |
| | D | | | | | | | | | |
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Foreign Patent or Published Foreign Patent Application

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|----------|-----|------------|-------------|---------------|-------|--------|-------|---------|
| Initial | No. | No. | Date | Patent Office | Class | class | Yes | No |
| SPC | L | 03 084521 | 10/04/91 | Japan | G02F | 1/1343 | | No |
| | M | 09 254 332 | 09/30/97 | Japan | B22B | 27/08 | | No |
| | N | 0 390 465 | 10/03/90 | Europe | G03F | 7/004 | Yes | |
| | 0 | 02/01281 | 01/03/02 | WO | G02F | 1/00 | Yes | |
| | P | | | | | | | |

Other Documents

| Examiner | | | | | |
|----------|-----|--------------------------|------------------------------|------------|---|
| Initial | No. | Author, Title, Date, Pla | ace (e.g. Journal) of Public | ation | |
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| Examiner | .1 | /Sing Chan/ | Date Considered | 12/11/2006 | |



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Inventor HAUBRICH, et al

Group 1762

Filing Date September 19, 2003

(Use Several Sheets if Necessary)

U.S. Patent Documents

| Examiner | | | | | | Sub- | Filing |
|----------|-----|-----------------|--------------|---------------|-------|-------|----------------|
| Initial | No. | Patent No. | Date | Patentee | Class | class | Date |
| SPC | Α | 6,490,021 | Dec 3, 2002 | Koyama | 349 | 139 | April 23, 1999 |
| | В | 6,507,376 | Jan 14, 2003 | Nakamura | 349 | 38 | Dec 20, 2001 |
| | С | 2003/0038772 A1 | Feb 27, 2003 | De Boer et al | 345 | 107 | Aug 19, 2002 |
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Foreign Patent or Published Foreign Patent Application

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Other Documents

| Examiner | | | | |
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| Examiner | <u> </u> | /Sing Chan/ | Date Considered | 12/11/2006 |

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INFORMATION DISCLOSURE CITATION

ATTY. DOCKET NO. SERIAL NO. 07783.0054.CPUS02 10/666,912

SUPPLEMENTAL PTO-1449

APPLICANT: Jeanne HAUBRICH, et al.

FILING DATE: 9/19/2003 **GROUP: 1762**

U.S. PATENT DOCUMENTS EX'R PATENT NO. DATE NAME **CLASS SUBCLASS FILING DATE** INITIAL MM-YYYY SPC 4,345,000 08-1982 Kawazoe et al 4,368,281 01-1983 Brummett et al 4,910,045 03-1990 Giesecke et al 4,977,013 12-1990 Ritchie et al 5,436,034 07-1995 Giesecke et al 10-1995 5,460,922 Swirbel et al 5,837,609 11-1998 Todd et al 5,888,372 03-1999 Bollens et al **FOREIGN PATENT DOCUMENTS** TRANSLATION EX'R PATENT NO. DATE COUNTRY CLASS **SUBCLASS** INITIAL MM-YYYY YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EX'R **DOCUMENT** INITIAL **EXAMINER:** Sing Chan/ DATE CONSIDERED: EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through

the citation if not in conformance and not considered. Include a copy of this form with next communication to

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INFORMATION DISCLOSURE CITATION

SUPPLEMENTAL PTO-1449

SERIAL NO. ATTY. DOCKET NO. 07783.0054.CPUS02 10/666,912

APPLICANT: Jeanne HAUBRICH, et al.

FILING DATE: 9/19/2003 **GROUP: 1762**

| | | | | S GR | OUP : 1762 | | |
|-----------------|--|-----------------|-------------------------|---------------|---------------------------------------|-------------|-------|
| | | U.S. P | ATENT DOCUMENT | S | | | |
| EX'R INITIAL | PATENT NO. | DATE MM-YYYY | NAME | CLASS | SUBCLASS | FILIN | G DAT |
| SPC | 3,935,334 | . 01-1976 | Narui et al | | | | |
| | 4,119,483 | 10-1978 | Hubsch et al | | | | |
| | 4,420,515 | 12-1983 | Amon et al | | | | |
| | 4,643,912 | 02-1987 | Nakagawa et al | | | | |
| | 4,714,631 | 12-1987 | Aufderheide | | | | |
| | 5,368,902 | 11-1994 | Todd et al | | | | |
| | 6,294,218 | 09-2001 | Igel et al | | | | |
| | · | | | | | | |
| | | | | | | | |
| | | FOREIGI | N PATENT DOCUMEN | TS | | | |
| EX'R INITIAL | PATENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
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| SPC | Int'l Prelim. Exam. Report. PCT/US03/12692 | 09-2005 | PCT | | | | |
| | | | | | | | |
| | OTHER DOCUM | ENTS (Includ | ing Author, Title, Date | , Pertinent F | Pages, Etc.) | | · |
| X'R NITIAL | DOCUMENT | | | | | | |
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the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

*If an asterisk is placed beside the reference number, a copy is not provided because the reference was previously cited by or submitted to the PTO in a prior application that is identical in the statement and relied upon for an earlier filing date under 35 U.S.C. §120. 37 C.F.R. §1.98 (d).

MATION DISCLOSURE TRADE **CITATION**

ATTY. DOCKET NO.

SERIAL NO.

07783.0054.CPUS02

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Supplemental PTO-1449

APPLICANT: Jeanne HAUBRICH, ET AL.

FILING DATE: 9/19/2003

GROUP: 1762

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|------|-----|-----|----|-----|-----|-----|
|------|-----|-----|----|-----|-----|-----|

| EX'R INITIAL | PATENT NO. | DATE MM-YYYY | NAME | CLASS | SUBCLASS | FILING DATE |
|-----------------|--------------|-----------------|--------------------------|-------|----------|---|
| SPC | 4,022,927 | 05-1977 | Pfieffer et al | | | - |
| | 4,078,935 | 03-1978 | Nakagiri et al | | | |
| | 4,217,182 | 05-1980 | Cross | | | |
| | 4,586,980 | 05-1986 | Hirai et al | | | |
| | 5,495,981 | 03-1996 | Warther | | | |
| | 5,795,527 | 08-1998 | Nakamura et al | | | *************************************** |
| | 6,117,300 | 09-2000 | Carbin et al | | | |
| | 6,131,512 | 10-2000 | Verlinden et al | | | |
| | 6,140,025 | 10-2000 | Imai et al | | | |
| | 6,426,143 | 07-2002 | Voss et al | | | |
| | 6,930,818 | 07-2005 | Liang et al | | | |
| | 2002-0083858 | 07-2002 | MacDiarmid, Alan G et al | | | |

| FORFIGN | DATENT | DOCHMENTS |
|---------|--------|-----------|

| | | | TI MILITI DOCUMENT | <u> </u> | | | |
|--------|--------------|---------|--------------------|----------|----------|-------------|----|
| EX'R | PATENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| INITIA | L | MM-YYYY | | | | YES | NO |
| SPC | GB 2 207 289 | 01-1989 | Great Brittan | | | | |
| | JP 57-177029 | 10-1982 | Japan | | | | |
| | WO 99/56171 | 11-1999 | PCT | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EX'R INITIAL DOCUMENT

/Sing Chan/

DATE CONSIDERED:

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